

Title (en)
ACTIVE OPTICAL CABLES

Title (de)
AKTIVE OPTISCHE KABEL

Title (fr)
CÂBLES OPTIQUES ACTIFS

Publication
EP 4285171 A1 20231206 (EN)

Application
EP 22746542 A 20220126

Priority
• US 202163141866 P 20210126
• US 2022013938 W 20220126

Abstract (en)
[origin: WO2022164926A1] In one embodiment, an opto-electronic assembly includes a housing having a cavity and an opto-electronic module disposed at least partially in the cavity of the housing. The housing is configured to support an electrical connection at a first end of the housing and support an optical connection at a second end of the housing. The opto-electronic module includes an opto-electronic transceiver, an electrical interface to provide an electrical connection to the opto-electronic module via the first end of the housing, a ferrule, and a lens, wherein the ferrule and the lens are to provide an optical connection to the opto-electronic module via the second end of the housing. The housing, the opto-electronic module, the opto-electronic transceiver, the electrical interface, and the ferrule have a magnetic permeability that is less than 1.0 B/H, where B is magnetic flux density and H is magnetic flux.

IPC 8 full level
G02B 6/42 (2006.01)

CPC (source: EP US)
G02B 6/4206 (2013.01 - US); **G02B 6/4277** (2013.01 - EP US); **G02B 6/4281** (2013.01 - US); **G02B 6/4292** (2013.01 - EP US); **G02B 6/4204** (2013.01 - EP); **G02B 6/4281** (2013.01 - EP); **G02B 2006/12121** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022164926 A1 20220804; CA 3205767 A1 20220804; CN 117120903 A 20231124; EP 4285171 A1 20231206; MX 2023008695 A 20230801; US 2024126029 A1 20240418

DOCDB simple family (application)
US 2022013938 W 20220126; CA 3205767 A 20220126; CN 202280024208 A 20220126; EP 22746542 A 20220126; MX 2023008695 A 20220126; US 202218263121 A 20220126